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L. Track of His Majesty's armed Brig Lion from England to Davis's Streights and Labrador, a determining the Longitude by Sun and Moon and Error of Common Reckoning; also the Variand Dip of the Needle, as observed during the said Voyage in 1776. By Lieutenant Ric Commander of the said Vessel; communicated by Nevil Maskelyne, D. D. F. R. S. and Astronomy

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esty's armed Brig Lion from England to Davis's Streights and Labrador, with Observations for congitude by Sun and Moon and Error of Common Reckoning; also the Variation of the Compass wedle, as observed during the said Voyage in 1776. By Lieutenant Richard Pickersgill, late said Vessel; communicated by Nevil Maskelyne, D. D. F. R. S. and Astronomer Royal.

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	4 14 8	55	25	14	6	19	50	-	5	44	33	50	30	27	27	0	96 <u>s</u>	53 25	-	-	-	_	6	D +8			j
	4 35 32	55	25	13	58	19	50	-	5	52	30	52	10	29	8	30/9	97	0 55	-	~	-	~	6	D +	8 30		Li
	Noon.	56	18*	14	25	20	8	59	5	43	-		-	-	-	-	-	-	-	-	-	-	-	-	_	WNW	Fi
26	Noon.	57	18*	14	40	20	10	58	5	30	-		-	-	-	-	-	_	-	_	-	_	-	-	_	NNW	M
											ļ				J .L.						l		ļ ·	D+	1 30		1
27	5 33 56	57	15	15	32	20	26	_	4	54	22	47	20	17	44 :	20	119	56 5	-	-	-	-	6	D -			A
	Noon.	57	4*	16	31	2 I	7	5 8	4	36	_		_	_	_	_	_		_	_	_	ac.	_		_	NW	\\
						1					1					1											1
28	Noon.	56	38*	17	44	22	20	61	4	36	-		-	-	-	-	-	_	-	-	-	-	-	-	_	N	100
i											}								ŀ								H
29	3 P.M.	_	_	_	_	_	_	_	_	_	_		_	_	_	-	_	_	-	_	_	-	_	-	_		K
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1.	Noon.	57		18		22	-	58		36	-		-	-	-	-		-	- .	_	-	-	-	-	-	SW	Sw
30	Noon.		52 A			26	8	58		36	-		-	-	-	-	_	-	-	_	-	-	-	-		SE	Car
uly 1	Noon.		2 5 *	3		30	2	54	4	31	-		-	-	-	-	-	-,	-	-	-		-	-	-	ssw	S.V
2	P.M.	58	25	26	10	30	41	-	-		24	40	0	-	-	-	-	-	53	33	32	5	3				
	Noon.	58	20 X	29	35	34	6	54	4	31	-		-	-	-	-	-	-	-	-	-	_	-	-	-	SW	
3	P.M.	58	0	0	29	35	0	_	-	-	16	34	40		` -	-	-	_	38		34	42	3	-	~		1
	P.M.	58	0	1	29	35	0	_	_	_		35		_	-	-	-	_	36	30	35	16	6	-	_		}'
ļ	P.M.	58	0			35	0	_	_	_		46		-		_	_	_	1	49	35	41	6	-	-		IJ
1	Noon.	58	3	30		1	27	57	4	31] :	•	_	_		_	_	_	-	_	_	_	_	_	_	NE	9
	No.		38	1		30		48		31	_		_	_		_	_	_	-	_		_	_	_	_	NE	
4	Noon.	_	12			i	5 9	50		31	_		_	_	٠.			_	_	_	_	_	_	_	_	NE	
5	1 1					i		-					_	_	-	_	_	_	_	_	_	_		_	_	ENE	Th
6	N. on.	59	11	41		45		48	4	31	-		-	_		-	_		-	_	-	_				LITE	1, 6
7	400	59	24	: 2	5	46	36	-	4	31	-		-	-		-	-	-	-	-	-	-	-] -	-		K
Į	l			1		<u> </u>			l		1			<u> </u>					1		1		1	7		1	· (

0 30	7	,			-,																	1
9 25	1	5 2		-	-	ľ	48		-	-	-	,		37		24		3 6	-	-	NW	An unfteady fea, though the compass stood pretty well.
9 26	1	53	_	_	-	4	25	٥	-	_	-		-	34	37	24	.39	U	_		NW	Under courses.
10 9	10	_	62		49	-		-	_	-	-		-	-	_	-	_	_	-	-	1	Much rain, &c.
	12	•	61		14	-		_	-	-	-		_	_		-	_	-	_	_	1	Strong gales with rain.
	12	-,	61	ı	15	-		-	_	_	-		_	_	_	-	-	_	-		SW	More moderate.
12 12	13	•	60		31	-		-	-	-	_			_	_	`		_		_		Moderate and clear; a great swell
13 36	1	33	61		5.7 8	-		-	_	-	_		_				_	_ !	~		1	Little winds and clear weather.
14 21	1 .	29 28	01	2	0	-	.	_	-	-	_		•	 48		-		_	-	-		These I have not worked.
14 20	16			_	_	1	50	0	_	<u> </u>	_		-	•	30	-	_	3	_	_	NE	A fine pleasant day.
14 20	1		60	_	-	15	35	0	_	_	_		-	55	40 –	-	_	3	_	_		and premant day.
15 59		33	62		34	-		_	_	_	_		_	_	_	_	_		_	_	SE	Fine weather.
16 50	19		i i	ı	47	-		-		_	_		_	_	_	-	_		_	_	sw	Hazy at times.
19 5	22	31	59	3	26	-		_	L.L	-	_		_			-	_		_	_	"	1
18 42	22	27	_	3	45	5	31	50	32 6		54	1	50	-	_	_	_	6	D -	2 50		Confidering the height of the Sun these not bad ones; air
19 10	22		_	ì	17	i	13		30 10	_	1	1	30	-	_	-	-	6	D -	1 (clear.
19 16	22	•	57		34	_	Ū	_	_	_	_		_	_	_	_	_	_	_	_	NW	Coming on to blow hard.
ĺ				Ĭ	٠.				L.L													
19 45	22	55	-	3	10	39	20		46 37		l			-	-	-	-	6	-	-		The log between these and the
19 37	22	55	- 1	3	18	45	35	6	43 53	26	63	35	26	-	-	-	-	9	-	-		flast agrees pretty well.
18 16	22	8	58	3	42	-		-	-	-	-		-	-	-	-	_	-	_		WNW	Strong gales.
16 53	2 1	8	59 4	4	5	-		-	-	-	-		-	-	-	-	· -	-	-	-	WNW	Strong gales, vessel drifts very fast to the Eastward.
14 30	19	47	61	5	17	-		-	-		-			-	-	-	-	-	-	_	NW	
					_			ļ	U.L		,							_		•	'	Dip.
13 54	19	50	-	5	56	1			25 47		ı		0	l	_	-	-	6	ŀ	-8 30	i	Face E. mark up, 76 30 Face W. ditto, 75 0
14 6	1	50	-	ļ.	44	į.			27 27		1			-	-	-	_	6	ı	-8 30	1	FaceW.markdown, 74 0 75
13 58	19		-	5	52	30	52	10	29 8	.30	97	0	55	-	~	-	~	6	D +	-8 39		Face E. ditto, 74 30
14 25	20	8	59	5	43	-		-	-	-	-		-	-		-	-	-	-	-	1	Fine Day.
14 40	20	10	58	5	30	-		-	-	-	-		-	-	_	-	-	-	-	_	1	Moderate weather.
7 7 00	20	26	_			22	47	20	U.L 17 44					_	_	l _	_	6	D -	-I 3	E	A very good fet.
15 32	20	20				22	4/	20	-/ 44	20	•••	, 30	' Э		_	-						Foggy weather, like the banks
16 31	21	7	58	4	36	-		-	-	-	-		-	-	-	-	25	-		-	NW	of Newfoundland, water fmooth.
17 44	22	20	61	4	36	-		_	_	_ :	-		_	,	-	-		-	-	_	N	Chair mint Con 1
					•																1	Calm, tried foundings, and got ground at 320 fathoms; drifted to the N.E. about
										1	·			_								two miles, and founded again in 290 fathoms, fine white fand: at the fame
	-	_	-	-	_	-		-	-	_	-		_	_	_	-	-	_	_	_		rime faw a shag, gulls, and other signs of land not far from hence. By running
													i			ŀ						about 19 miles NE by N. left found ngs, fo bore away, calling it the Lion's Bank.
18 2	22	38	58	4	36	-		-	-	-	-		-	-	-] -	-	-	-	-	SW	Swell from the Southward.
21 32	26	8	58	4	36	-		-	-		-		-	-	_] -	-	_	-		SE	Carried away the fore-yard.
25 31	30	2	54	4	31	-		-		-	-		- ,	-	-	-	- `	-	-	-	SSW	S.W. fwell, loft all our birds.
26 10	30	41	-	-	-	24	40	0	-	-	-		_	53	33	32	5	3				
29 35	34	6	54	4	31	-		-	-	-	-		-	-	-	-	_	-	-		sw	
≎ 2 9	35	0	-	-	-	16	34	40	'	-	-		_	38	40	34	42	3	_	~		1
30 29	35	0	-	-	_	f .	35		_	_	_			_	30	35	16	6	_	-		Very good observations and the vessel steady, when made.
30 29	35	0	-	-	_		46		-	_	-		-		49	35	41	6	_	-		
30 56	1	27	57	4	31	-		-	-	_	_		_	-	_	-	_	_	_		NE	Cape Farewell's lat. 59° 38'N. long. by obi. 42° 42" W.
34 24	1	55	48		31	-		_	_		_		_	-	-	_	-	_	-	_	NE	
37 28	ļ	5 9	50	1	31	_		_			_		_	-	_	-	_	-	_	_	NE	
41 16	i	47	48	1	31	_		_	_	_	_		_	_	_	_	_	_	_	-	ENE	The Eastermost part of it.
	1		'	į																		(Saw Cape Farewell bearing
-2 5	46	36	-	4	31	-		-	_	-	-		_	-	-	-	_		-	-		N by W. by compass, distance about 7 or 8 leagues.
	'		·	·		<u></u>					·					<u> </u>		·	·			

[1059]

A Continuation of the Track of His Majesty's armed Brig Lion, from Cape Farewell ale Greenland, for the Determination of the Position of the Coast, as likewise the Dip, V

Days of the Aonth	Time.	Latitude.	Long. Long by ship observ.	rerm.in	Error of common	Log time as read off quadrants G's alt. D's alt.	Distance Azi- observed. muths.	Varia- tions. 50 %	Error of Wind	s.
violiti.			reck.	- ÷				ž	quad.	
July 8	18 52 22	N	0 46 47½ 48 47			L.L. U.L. 24 19 036 52 C	76 II 0	0 / 0	None. N	-
						24 42 0 36 53 0 24 32 30 36 52 40				
		1	46 42 49 10	40	2 28 0	0	44 30 44 0	41 38 —	None	-
9			46 13 49 40		3 27 C	23 32 O C	44 10		N	
11			47 i8 51 21 47 38 51 41	38 36		0			NNV	- 1
12	6 o o			_		21 42 0 21 39 0 21 34 0 21 38 0	45 0	39 0 —	None	•
12	6 3 0 0	6 0 40 c	47.45	-		17 53 0 17 48 0 17 48 0	\frac{44 \cdot 15}{39 \cdot 0} \\ \frac{39 \cdot 0}{38 \cdot 30} \\ \frac{38 \cdot 50}{38 \cdot 50} \end{array}	38 20 —	None	.
						20 0 0 20 11 0 20 20 0	SE 58 ° 58 ° 57 3°	41 0 -	None	
2	2 0 0 0	51 4 o	48 0	-	{	20 10 0 20 32 0 20 40 0 20 45 0	57 50 57 40 56 10	40 52 -	None.	·
	Noon	61 2 8 0	48 9 52 12	40.	4 2	20 39 0	57 10		E	
	110011		, y 5,	40	Į.	15 28 O 15 33 O 15 39 O	53 ° 54 ° 54 ° 54 ° 54 ° 54 ° 54 ° 54 °	48 58 -	None.	
1,3,1,	9 O. O	62 4 0	48 0	-		15 33 0 18 4 0 18 11 0 18 15, 0	53 40 52 0 52 30 52 30	49 46	None	\ \ \
	-					18 10 0 23 37 0 23 42 0 23 47 0	52 20 46 0 46 0 46 30	45 22 -	None	\ -

[1059]

he Track of His Majesty's armed Brig Lion, from Cape Farewell along the West Coast of or the Determination of the Position of the Coast, as likewise the Dip, Variation, &c.

											- 2-							,	· · · · · · ·		
Long. oy lait bierv.	ſ	ong. by hip's eck.	E 8	co	rror mn kon	O.		tim qu 's al	adr 	s read ants D's a	<u>,</u>		stanc served		Azi- uths.		aria- ons.	N° of obf.	Error of quad.	Winds.	Remarks, &c.
			- =	<u> </u>			0	s ai	<u>' </u>	p s a	11.			_ _		.		Z		<u> </u>	
6 47½	48	47	-	2	0	30	24 24 24	.L. 19 36 42	0	U.L 36 52 36 53 36 53 36 52	0 0	76 76	11 3 11 10	000	, NW 	-	_	0	None.	N	Very good observation; water fmooth; amongst a field of ice. Land from NE to SE, distance off 8 or 10 leagues, making in deep bays.
6 42	49	10	40	2	28	0	_		-		_	_		- . .		-	_	_		SE	Clear weather; fast in the ice.
6 19	48	47	-	-			23 23 23 23	31 25	00000	-	-	_	-	44	. 0	41	38		None.		Water fmooth; land at NE to SW 5 leagues. Dip, Face E mark end down, 76 50 Face W ditto, 77 0 Poles changed, Face W ditto up, 76 15 Face E ditto, 76 35
5	40	40	20		0.5	_			-					-						N	
. 1	-	40	38	_	27		_	•		-	_		_	-	_	-	_	-		ì	Hazy, no land in fight.
		2 I	38	4	3	0	_	-	-		_	_	_	-	. –	-	-	-			Much ice.
30) <u>,</u>	41	36	4	3	٥	- ,			_	-	-	-	-		-	_	_		Vallab.	1
			-	1	_	Ш	21 2 21 3	39	000					44	. 0	39	0	_	None.	- -	Cape Defolation E 4 leagues, foundings at 146 fathoms.
7.45	_	-	_	_	-	\ 	17 4 17 4	53 48 44	0 0 0 0 0	-	-	_	_	39 39 38		38	20	_	None.		Very good.
							20 20 20 20 2	1 1	000					58 58	SE 0 30	41	0		None.		These observations were made close to one of the ice glances, which I did not find had any effect on the compass as some have imagined. Had very ir-
0	-	-	-	÷	-	}	20 1 20 3 20 4 20 4	2	0 0 0 0		-	-	-	57 57	40 40 10	40	52		None.	4 A	regular foundings from 80 to 105 fathoms about 4 leagues of the land, which is high and ragged, being mostly covered with snow and ice.
							20 3	9			İ			5.7	10						
9 5	2	12		4	2		_	_	.		_	_	_	1_	_	_	_	_		E	Land from SSE to NE.
7	, -		40	•		į l	15 2 15 3	3 (53 54 54	0 0	48	58	_	None.		Dip of the needle, mean 80 50 The large ice glance NE about 5 or 6 leagues off.
							5 3		-						40						
0	_				_			4 (. .	_	_		52 52	0	49	46		None.		Tried the dipping needle, the mean of the four fights gave 81 10.
			-				8 1	0 (52	20						
							3 3 23 4	7 0						46 46	0	45	22	-	None.	- -	About 5 leagues off shore, the land high, and the sounds filled with frozen snow, even to the tops of the hills
						11-	23 4		-					-				ļ			to the tops of the hills.
		İ					3 4	.2 (40	10						

21	17	16	15		14			131				
3 25 1	Noon.	Noon,	Noon.	Noon.	7 O C	140011.	Noon.		Noon.		20 O (6 30
5 64	64	64		62	62	02	60	62	01		51	
55	57	38		50	12	11	`**	4	28		4	
13		0		0	0	J		0	0		0	
52	52	51		49	4.8	40	48	48	48		48	,
53½	5 6½	26		o :	15	Ŭ	0	0	9		0	
	-	55		53	_	3 -	£2	-	52		_	
_	-	3 ² .		3	_	3	3	,	12		_	
61	-	42	41	40		39.	-		40			
1	-	4	4	4	-	4+	4	-	4		-	
-	_	6		2	-	4	2 .	- -	2		_	
					\ 	({	
de being ded hor. 48 0 18 0 0 0 40 0 18 0 10 0			_ _	47 0	0 0 56 0 46 0	2 0 0 0 58 0	37 0 42 0 47 0 42 0	4 0 11 0 15 0 -	28 0 33 0 39 0	39 0	0 0 11 0 20 0 10 0 32 0 40 0	53 0 48 0 44 0 48 0
-	_	-	-	_	-		_	_	_		~	
Nearest L 68 1 6 68 3 6 68 4 6 68 5 6 68 6 1 68 6 6								<u>-</u> –	-			
				28 30	28 40 27 40 28 30	NW 42 6 43 6 43	46 30	53 4° 52 3° 52 3° 52 3°	54	56 10	57 3 57 5	39 38 38 38 5 SE
-	-	-	-		-	o 	9 4	0 4	2 4 2 -	0	0 4	
	<u>-</u> '-	- -			8 17	6 54	5. 22	9 46	 8 ₅ 8	- 3-	.1 0	8 20
	_	_	-	-	_	_	_		-	4		
- •	. 			-	None.	None.	None.	None.	None.		None.	None.
_	-	sw	sw	N	_	-	- Cain	-	-	E		-
_							r					

			1	1			3°			1		74 .	3					ļ	
7.45	-	-	_		•	.	17 53 C 17 48 C 17 44 C	-	-	1	-	39 39 38 38 38 5	0	38	20		None.		Very good.
							20 0 C					SE 58	000	41	0	_	None.	-	These observations were made close to one of the ice glances, which I did not find had any effect on the compass as some have imagined. Had very ir-
0	-	-	-	-	-	2 2 2	20 10 0 20 32 0 20 40 0 20 45 0	_		_	-	57 40 57 40 56 10	0 4	‡ 0	52		None,	W A	regular foundings from 80 to 105 fathoms about 4 leagues of the land, which is high and ragged, being mostly covered with snow and ice.
9	52	12	40.	4	2	\ -		_	_	_	_		_	_	_	_		E	Landfrom SSE to NE.
						I	5 28 0 5 33 0 5 39 0	į.				54	0 4	£8 .	58	-	None.		Dip of the needle, mean 80 50 The large ice glance NE about 5 or 6 leagues off.
		į				-	5 33 0					53 49	0			-			
0	-	ı		_		1	8 4 0 8 11 0 8 15, 0	_	_	_	_	52 30 52 30	o 4	19	46		None.		Tried the dipping needle, the mean of the four fights gave 81 10.
					,		8 10 0					52 20 46 0	-						About 5 leagues off shore, the
						2	3 37 ° 3 42 ° 3 47 °					46 6 46 30	o 4	15	22	-	None.	- -	land high, and the founds filled with frozen snow, even to the tops of the hills.
					ĺ	2	3 42 0					46 10	0						
0	52	3	39	4	2			-	-	_	-	- NW	-	_	-	-	- -	Calm.	Dip of the needle 81 30.
						2	5 2 0 5 0 0 4 58 0					43 G 43 G		,6	54	_	None.		Many ifles off this part of the coalt, and foundings about 12 leagues off, though none close in.
15.					_	2	5 0 0		_	_	_	42 40	2				,		
.5					\	I	7 56 0 7 46 0 7 40 0					28 40 27 40 28 30	o 4	,8	17	_	None.	- -	Clear weather:
						I	7 47 0					28	3						
o o	53	3	40	4	2			_	_	_	-		-	-	-	_		N	Land from N 30 E to S 2 E 3
53			41	4	2			-	-	_	-		-	-	_	-		sw	Thick weather; land NE to SSE 4 leagues off.
26	55	3 ² .	42	4	6			_	-	_	 `		-	-	-			sw	Thick weather; fell in with a ridge of rocks, 28 miles E. from hence. This day's Southerly wind found the thip 17 miles to the N. of account.
56 <u>1</u>	-	-	-	-	-			-	-	-	-		-	_	_	-	, н 🕳		At anchor in an harbour, called Musketto Cove, until the 27th.
- 53½	_	_	61	-	- <		Oouble being effected hor. 188 48 CO 188 18 CO 197 40 CO 197 18 CO 197 10 CO 197 52 20	-	_	68 68 68 68	eft L. 3 0 4 0 5 0 6 15 6 0				_		<u>.</u>		These observations were made on shore with a reslected horizon, and the latitudes settled by many good meridian altitudes; the weather fine and clear, so that I can answer for the observations, though not for the working.
						-				·	<u> </u>						. ,		······································

[1061]

A further Continuation of the Track of His Majesty's armed Brig Lion, from Mosket to the End of Davis's Straits, &c.

Days of the	Time		Lat		c.	bv	ng. laft	Lor	ng.	Therm.in the shade.	com	nmor	3					Difta obser	ince ved.	Azi	i- 18.	Var		N° of o	Erro	V	<i>W</i> ind:	<u>.</u> [
Month.				****	(oble	ry.	rec	k.	de in	reck	onin	g	⊙'s a	dt.) 's a	alt.							obť.	quad			
July 21	3 43			N		53	,	0	- /	。 61 in the day, & 54 in the night &	•	,		L.L. ceffected? 55 35 55 15 54 30 54 20	hor. 0 0 0 0	U.L	J. — — — — — — — — — — — — — — — — — — —	68 11 68 12 68 12 68 12 68 13	1 0 2 0 2 0 2 30 3 0			•	-	0	None			
21 21 27 28	4 0 4 0 Noon	06	54 54 54	55 55 49	13	52 52 54	56½ 56½ 25½	- 58	- 1	61 43	- 4	- - 6 6		54 8 54 48 62 49	25		į.	68 1	2 20	ŧ	0 2 ¹ / ₂	-			None None	•	N NN	
29 3°	Noon	. 6	65	14	0	58		59 62 63	16	39 37 44	4 4	6		-	-	سور س	-				-	_	-		_	-	ENI	- 1
31	t	ı.	65	49	0	59	8			- 29½	-	-	$\left\{ \left \right. \right. \right.$	15 50 16 2 16 29 16 7	0	د.	-	-		SJ 45 43 43 43	0 40 0	54	•	_	-	-	-	-
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[1061]

tion of the Track of His Majesty's armed Brig Lion, from Mosketto Cove, Greenland, to the End of Davis's Straits, &c.

ng. laft		p's	Therm.in the shade.		or on on on on on on on on on one on one on one on one on one on one on one on one on one on one on one on one one	n		tion qui	adra	read ints			iftand lerve		Az			ria-	No of obf.	Err of qua		Win	ds.	Remarks, &c.
	rec	K.	· 5			_	.	, ,	-			•		_		_		-,-						
0	-		61 in the day, & 54 in the night 5	-		\ \ 	L 65 65 65 64 64	35 15 1 30 20 8	. 000000	U.L - - - - -	1111	68 68 68 68 68	11 12 12 12 13 13		N	<i>v</i>		_	_	Nor	ne.		_	By these observations I deduce this Cove to lay in latitude 64 55 13 N. and longitude 52 56 30 W. Variation 50 56 0 W. Dip of the needle 81 22 30 Flow of the tide, forming 14 st. ———————————————————————————————————
56₹	_	-	61 84	-	_	U	62		0		_	-		_	60	0	50	48	_	Nor	ne.	-	•	Poles changed, Face W ditto, 80 30 Face E. 80 15
56 <u>1</u>	-	-	61	-	_		66	2 3	30	-	-	-		- ·	66	$2\frac{1}{2}$	50	24	_	No	ne.	-	-	
25½	58	31	43	4	6		-	-	-	-	_	-			-	_	-	_	_	-	-	N		·
29	59	35	39	4	6		-	•	-	~	-	-		-	-	-	-		-	-	-	NN	IW	No foundings, clear weather.
10	62	16	37	4	6	ļ	-	-	-			-		-		-	-	_		-	•	EN	ΙE	Little or no ice, and fleady weather. Close to a very extensive field of ice,
30	63	36	44	4	6		-		-		-	-		-	_	_	-	-	_	_	-	-	-	and an appearance of land at the back; the dip of the needle as underneath: Mark, end up, face E. 86 o ———————————————————————————————————
10	_	_	-	_	-		15 16 16	50 2 29 7	0 0 0		-		•	_	45 43 43 43	0	54	0	_	-	<u>.</u>	-	-	
8	63	14	29	4	6	Ĺ	_		-		_	-	•	<u></u>	-	_] -	_	—	-	-		-	Sailing along the field of ice to the N. E.
19	62		40	4	6		-		-	_	_	-	-	_	-	<u> </u>	-	-	-	-	-	-	-	Loft fight of the ice.
19	ł	25	42	4	6		-		-		<u></u>	_	-	_	-	_	-	-4	_	-	-	-	-	Saw another large field of ice to the East- ward.
8	62		40	4	6		-		-	-	-	-	•	-	-	-	-	~~	-	-		:	3	These four days sometimes thick sog, and others clear weather, a heavy swell from the South.
50	62	56	36	4	6		_		-	_	_	-	_	_	-	_	-	_	_	-	· _	-	-	At 12 this night was in latitude 63 14, and nearly the same longitude as at noon.
46	1	52	38	4	6		-		-	-	-	-	-	_	-	-	-	_		-	-	-	-	Vait quantity of very large ice itlands, and a great fea, with thick weather.
41	t	47	40	4	6		-		-	_	_	-	-	_	-	-	-	_		-	-	-	-	Fresh gales, thick weather, and ice islands.
17		23	42	4	O		-		-	-	-	-	-	-	-		-	-	-	-	-	-	-	leagues, a great swell, and little wind. Light airs all this day; the land appear-
11	59	17	41	4	6		-		-	-		-	-		-	-	-	-	-	-	-	-	-	ing high, and in many places covered with snow.
, I	59	7	43	4	6		-		-	_	_	-	-	_	_	_	-	-	_	-	-	-	_	Little winds from the S. W. about four leagues from the land foundings from
7 .15	1	21	40	4	6		-		-		_	-	_	-	N	w	-			_	-	-	_	C Standing in and out to get to the fouth-
5 48	-		-	-	_	~	15 15 15 15	17 12 5	000000	_	_				39 37 39 38 39	0 0 30 0	w	not orked		-	-	-	_	When these observations were taken Mount Couningham bore 5SB, distance about fix leagues, depth of water 6 fathoms, fandy ground.
												ļ			<u> </u>		-							Francis, taken Browns
5 [.] 31	60	37	46	4	. 6	i	12		 	i		.		-	23	45 - 30	-		-	- -		-	-	Land from SE to ENE. feven leagues of no foundings.
6 15	-	•	. -	. -			11	37 26	0 0 0 0	_	_	-	-	-	22 22 21	30	5	ó 54	- -	N	on e.		_	
	1			-			-															1		When these observations were taken there was little ice in fight, the west

															is 50	0 0					ļ	SI 45 43	0 40						
31	19	o o	6 5	4 8	c	59) 1	0	-	-	-	-	_ •	١.	6 20		-	•	-	<u>ند</u>	- 1	43 43		54	0	-	•	-	
31 Aug. 1		on.	65 65					8 6			29½ 40	4	6 6		- -	-	-	<u>.</u>	-	- ` -		-	-	<u>-</u>	-	_	-	-	
2	No		65 66		c	5	8 1	9 6	ó2 :	25	42 40	4	6 6		_	-	-	-	-	<u>-</u>	-	1 1	-	, -	-	_	-	-	 S
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4	ı		67 68					6 i			36 38	4 4	6		-	_	-	-	_	-	<u>-</u>	- -	-	-	-	_	_	-	
6		on.	67	32		5	8 4	4I 17	62	47	40	4	6			<u></u>	-	-	-	<u>.</u> .	-	-		-	-		-	-	- -
8	1							ı ı			42 41	4	6		-	-		-	-			-	_	_	-		-	-	
9	1		66			5	5	1	59	7	43	4	6		-	-		-	-	-	-	-	-	_	-		_	-	
10	N	on.	06	40	•	5	7 -	15	61	2 I	40	4	6	(- 20 0			-	-	-	39	w o	-	-		_		
11	7	o (66	.38	3 (° 5	6 4	48	_	_	-	-	_	$ \cdot $	15 1	5 C		_	-	iig	-	37 39 38 39 40	0 30 0		ot ked.	_	-	-	
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1	2 7	45	0 66	5 2	7	0	56	15	_	**		-	-	\	4	25 21 15 12 8	0000006	-	-	_	-	3 5	45 0 40 30 50		5 0		No	one.	
1	2 N	oon.	6	6	2	0	56	45	60	51	44	4	6	(-		0	-	_	_	_	23	11 -	-	_	_	-	-	sw
1	3 8	0	06	5 5	8	0	55	4 9	-	-	-	-	-		7 7 6 6 6 6	16 7	00000	-	-	-	-	23 21 22 22	45 40 45	47	23	_	No	ne.	
	3 N	loon.	6	6	7	o	54	43	58	49	53	4	6	Į	7	0 4	.0	_		_	_	22	19	_	_	_	_	_	
1	4 N	loon.	6	5 1	2	0	55	52	59	58	50	4	6		-	-	-	-	-	-	-	-	_	-	-	-	-	-	SBE
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						<u> </u>	6	7 0					43 50	-			-					
	63 62		29½ 40	4	6 6		_	_	_	-	_	_		-	· -	-	_			_	- 1	Sailing along the field of ice to the N. E. rigging froze Loft fight of the ice.
	62	_	42	4	6		_	-		-	<u>.</u>	_		-	. 4	-	_		.	-	_	Saw another large field of ice to the East- ward.
	62		40	4	6			-	-	-	-		- -	4		-	-			S		These four days sometimes thick sog, and others clear weather, a heavy swell from the South.
50	62	56	36	4	6		-	-	-	-	-	_		-		-	-		. }	-	-	At 12 this night was in latitude 63 14, and nearly the same longitude as at noon.
46	60	5 ²	38	4	6		-	-	-	-	-	-		-	-	-	-		•	-	-	Vast quantity of very large ice islands, and a great sea, with thick weather.
	62		40	4	6 0		_	-	_	-		_		-	 	-	_			-	_	Fresh gales, thick weather, and ice islands. Seam high land having N. F. distance. leagues, a great swell, and little wind.
17	60	17	4i	4	6		٠	-		_	_			. _		. _	_		-	_	_	Light airs all this day; the land appear-
ĺ	1				6		_	_	_	_	_	_		. _		. .					_	Little winds from the S. W. about four
7 15	59 61	7 21	43	4	6		_	_		_		_	NTXE?			. .	_		_	_	_	leagues from the land foundings from 60 to 25 fathoms, fandy ground. Standing in and out to get to the fouth-
			'			7	15 2	0 0					NW 39 0									ward, wind S. W. blows strong.
							15 1 15	7 0 12 0 5 0					37 ° 39 ° 38 3°	;	not							When these observations were taken Mount Cuningham bore SSE, distance
6 48	-	-	-	-	-	í	15 14 5	10	-	-			39 °	٠, ١	orke	ı. ·	_		-		-	about fix leagues, depth of water 65 farhoms, fandy ground.
	Ì						15 1	10 30					38 45	-								, ,
6. 27	60		46		6	U			_			_	30 73	-		_				_	_	S Land from SE to ENE. seven leagues off
5° 31	00	37	40	4	Ü	ſ	12	4 0	í	_	_	_	23 30		_		_					no foundings.
						į	11 3		i i				24 30)								
6 15	_		_	_	_	Į	11 2	26 c	1	_	_	_	21 0	- 1	6 54		_	Non	e.	_	_	
3						Ì	11	•					21 30		•			· ·				When these observations were taken there was little ice in fight, the wea-
							11	34 3 0	4				22 32	2								ther fine, fea fmooth, the land from E. to SSW. which was high and about 12
						ſ	4	37					5	5					ļ			leagues off, being that part named Christian Sound, and where the Danes
							4	28 C	F .				5 45									for fome years worked a filver mine, and as this coast has in many places strong appearances of iron ore, this may
							4	21 (1				6 40	>								be one, and in all probability may oc- casion this high variation.
6 15	-		-	-	-	{		12 (-	-	-	-	3 50	2 3	5 5	o	_	Non	e.	. –	-	
						١	4	8 6	.				5 C									
							4		-				5 1	-								
6 45	60	51	44	4	6	,	-	· -	-	-	-	-		-	- ·	-	_	-	-	S	W	Land in fight.
						ļ		25 C					23 10									
						ļ	7 6	,					21 40	c .				Non				The extremes of the land from NE. to
5 49	-		-	· -	_	1	6	44 (_	-	-	_	20 30	5 4	7 2	3		Non	٤.	_	_	5 SW. distance fix leagues.
						İ			-[-								
4 43	5	3 49	53	4	6	Į	7	0 40	-		-	_	22 10	9		_		_	_	_	_	Within one mile of the mouth of a rocky river, with a rapid tide
5 52	- 1	9 58	- i		,		-	-	-	_	-	-		-	-	-		-	-	SF	3E	Land from E. to ENE. very high.
56 12		o 18		4	. 6		-	-	-	-	-	-		-	- '	-		-		-	_	Hard gales with much rain, and a great fea, wind SWBS, weather thick.
56 5C	6	o 56	42	4			-	-	-	-	-			-	-	-		-	-		SW	Thick close weather, with little wind.
55 29	- [t	١.	,		-	-	-	-	-	-	-	-	-	-	_	-	_	SS	W -	Foggy weather. 5 The land like Islands. Caught many
54 2	5	8 58	, -	- 4	. 6		-	-	-	-	-	-	- '	_	_	-		-	-	_	_	2 large hollibutts. (Dip, mark end up, face E. 83 30
53 5°			- -	- -		-	-	-	-	-	-	_		-	_	-	_	-	_	-	_	Poles changed, face W. 85 0

A Track of His Majesty's armed Brig Lion, from Davis's Straits to the Coast of L

			Erro	N° of obl		Va	Azi-		lance		1-		ad c drar	As r	rror com-	of	36	ong.	Time. Latitude. Long. by laft observ. Treck									I LOUV.				Days of the
	Winds.	ant.	quadr	f obf.	ns.	tio	uths.	mı	rved.	obf	alt.	D 's	alt.	⊙ 's	ck.	r	m. in	ip's	fh re	erv.	obí	ude.	Latit	c.	Time	Month.						
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ξŀ		_	-		_	-	_	-	-	<u> </u>	_	_	-	- 39	t 59	4	44	3	58	4	53	0	2 1 9	n.	Noon	22						
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We anchored in Porcupine Harbour, where we staid until the 26th of September, and fro to England; which being a common rout, I shall conclude with a few general observation world, so little known and so terribly represented by people who, in order to raise their own gers and difficulties of common occurrences; merely because the places are unknown, and a probability of their ever being contradicted. I do not mean this as a personal reflexion; but with many of the masters of Greenland vessels, as well as their employers, and heard such

of His Majesty's armed Brig Lion, from Davis's Straits to the Coast of Labradore.

Lo by oble	laft	l Th	ip's	the fhade.	Error of common reck.		-			ran —^	ff qu ts				ftan erve		A: mu	zi- ths.	Va tio	ria- ns.	N° of obf.	Error quadra		Winds.	Remarks, &c.
•	-,-	-	-,-		.	,-	-			,,	•		 ,	•			<u> </u>		0	,					
53		58	21	41	4	6	١.	L.	L.	_		L.	- 1	_		_	_	_	_	_	_	_	_		S The land near Balls River in fight, mak-
33	- 3	3,5	3.	***	-		3		5	0	16 g 16 g	33		60 60	0	30 30				;					ing in Mands.
52	30	_	-	-	-	-{	3 3 3 -	3 2 5 2 5 2 5	7	0000	16 4 16 4 16 4	5 7 1	0000	60 60 60 60	2 4 4 5	0 0		-	-	-		-	-		CThe observed
							_		-	- -	16 4					50						Non	e.		These observations are very good ones, yet as they give too little, and difagree with the rest, 1 did not pay much
							3	2 3	2 6 1	0	17	3 7	0	60 60	5 6 7	30 0	1				,				regard to them, nor alter the track, as I cannot answer for the working of thems
52	50	_	-	_	-	-{	3	2 2	7 2 0	0	17 1 17 1 17 1	4	0	60 60 6a —	9	° °	-	-		-		-	-		
						[3	2, 2	9 4	40 :	7	7	30	60 —	7	35					•				
54	35	58	41	_	4	6		-	-	-	-		-	-		-	-	-	-	-	.—	-	-		A very heavy gale of wind, which obliged us to throw overboard the guns we had on deck.
54	15	58	21	36	4	6		-	-	-	-		-	-		-	-	-	-	-	_	_	-		This night, for the first time (the gale being over and fine weather), saw the aurora borealis, which began in the SE quarter, but was neither so firong nor so
53	20	_	-	_		- {		5 5 4 5	9 6 4 12 8	0000	10 4 10 3 10 3 10 3	8 6 2 5	0 0 0	84 84 84 84 84	1 I I I I 2 I 1	000000	•	-	-	-		_			By the observations on the 19th, I find the error of the common reckoning to have increased 55 miles, and by these have increased 50 miles; therefore shall alter the track to the observations, as I think them a sufficient confirmation of the truth.
				ļ		ļ	[_	4 5	9 :	50	10 3	2	20	84	I I	10									
53	4	58	3	44	4	59		-		-	-		-	-		-	-	-	-	-	-	-	-		High land EbS distance 12 leagues, which was the last we faw.
53		58		-	1	59	'	-	•	- [-		-	_		-	-	-	-	-		-	-	FCF	Moderate breezes, and no ice to be feen.
ľ	28	57		46	1		1	-	•	-	-		-	_		_	-	-	-	-		_	_	ESE	Ditto, with mifts. Fresh gales.
52		57		52	1	59		_		-	_		-	_		_	_	_	_	_	_		_	NE	Fresh gales.
53 54		58 59	2 <i>1</i> ′	54 56	1	59 59		_		_	_		_	_		_	_	_	_	_	_	_	_	NE	Cloudy weather.
53	15	58		56	1	59 59		_	_	_	_		_	_		_	_	_		_		_	- ,	i	Saw the first ice Islands on the Labradore.
52	6	57	5	l .		59	1	_		-	_		_			-	-	_	_	- }		-	_	1	Much ice.
53	9	58	8	60	1				-	-	-		-	-		_	-	_	-	-	_	-		sw	Much ice.
53	58	58	57	_		59		-	-	-	-		-	-		-	_	-	_		. —	-	_		Round Hill Island, bore NW. fix or sever leagues, which being the eastern part of America, I make it to be in latitude 53 32 N. longitude 54 29 W. of Greenwich.

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We anchored in Porcupine Harbour, where we staid until the 26th of September, and fro to England; which being a common rout, I shall conclude with a few general observation world, so little known and so terribly represented by people who, in order to raise their own gers and difficulties of common occurrences; merely because the places are unknown, and probability of their ever being contradicted. I do not mean this as a personal reflexion; by with many of the masters of Greenland vessels, as well as their employers, and heard such those countries, I cannot help remarking it as a circumstance equally foolish and ridiculous, those who from a laudable principle would be benefactors to their country, but are deterred presentations; and I appeal to those series of facts for the truth of my affertion. The weat is, in the fpring and autumn, boifterous; the feas run irregular, like the Gulph of places I could inflance (that is fhort and high); occasioned (I imagine) by the narrowness many impediments it meets with from the ice, and its being open to the fouthern parts of As the fouth winds are always the strongest, bring thick weather, and the greatest sea, so the fine clear weather, and are feldom strong. I shall here finish these observations, with the p &c. and shall communicate observations on the ice, the atmosphere, the land of Forbisher, of a north west passage, in a short time.



52	50	_	_	-		-	32 32 32 32 32 32	42 36	00000		3 7 10 12 14	0606	00 5 00 6 00 7 00 8 00 9	0 0		-	1	1		None			These observations are very good ones, yet as they give too little, and difagree with the rest, I did not pay much regard to them, nor alter the track, as I cannot answer for the working of them.
						Į	32	29	40	17	7 3	06	0 7	35									
54	35	58	41	_	4	6	-		-	-	-		-	_	_	-	-	-	.—	-	-	- '	A very heavy gale of wind, which obliged us to throw overboard the guns we had on deck.
54	15	58	21	36	4	6	-		-	-	~	-	-	-	-	-	-	1	_	_	-	-	This night, for the first time (the gale being over and fine weather), saw the aurora borealis, which hegan in the SE. quarter, but was neither so strong nor so
53	20	-	_	_	1	-{	5 5 4 4 4 4	54 42 28	00000	10 10 10 10 10 10 10 10 10 10 10 10 10 1	38 36 32 25 23	0 8 0 8 0 8 0 8	4 11 4 11 4 12 4 13 4 13	0 0 0	_	-	_	-		-	1		By the observations on the 19th, I find the error of the common reckening to have increased 55 miles, and by these to have increased 50 miles; therefore shall alter the track to the observations, as I think them a sufficient confirmation of the truth.
53	4	58	3	44	4	ر 59	-		_	_	_	- -	_		_	_	_	_	_	_	_		S High land EbS distance 12 leagues, which
1	14	ļ	13	-	1	59	_		-	_	_	.	-	-	_		_	_		-	_		was the last we faw. Moderate breezes, and no ice to be feen.
1	28	57		46	1		-		_	-	-		_	_	-	_	-	_		-	_	ESE	Ditto, with mists.
52	46	57	45	52	1		-		_	-	-	.	-	_	-	_	-	1	-	-	-	E	Fresh gales.
53		58	27	54	4	59	-		-	-	-		-	-	-		-	-	-	-	-	NE	Fresh gales.
54	10	59	9	56	4	59	-		-	-	-	-	-	-	-	-	-	-	-	-	-	NE	Cloudy weather.
53	15	58	14	56	4	59	-		-	_	-		-	_	-	-	-	1		-	-	1	Saw the first ice Islands on the Labradore.
52	6	57	5	60	4	59	-		-	-	-	-		-	-	-	-	-		-	-		Much ice.
53	9	58	8	60	4	59	-		-	-	-		-	-	-		-	-	_		-	SW	Mueh ice.
53	58	58	57	-	4	59	-		-	-	•		_	_	-	_	-	_			-		Round Hill Island, bore NW. fixor seven leagues, which being the eastern part of America, I make it to be in latitude 53 32 N. longitude 54 29 W. of Greenwich.

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